

Brad Zacher

e: brad.zacher@gmail.com

w: <https://zacher.com.au/>

SUMMARY A passionate developer with a strong desire to learn and improve skills, and a commitment to producing the most efficient, high quality solutions to problems. Proficient in applying many languages, namely JavaScript, C#, PHP, SQL and C/C++, to solving a wide variety of problems, from designing responsive web applications to solving complex heuristic search and optimisation problems.

EXPERIENCE	Facebook	Front-End Engineer	Aug 2018 - Current
	Assignar	Lead Developer	Feb 2017 - July 2018
	SA Power Networks	Software Engineer	Feb 2013 - Feb 2017
	University of Adelaide	Computer Science Tutor	Feb 2012 - Dec 2012

EDUCATION Bachelor of Computer Science (Honours), Software Engineering

University of Adelaide 2009 - 2012

Certificate III, Retail Supervision

TAFE SA 2009

Certificate II, Retail Operations

TAFE SA 2008

Certificate I, Information Technology

TAFE SA 2007

PUBLICATIONS Boosting Search for Recursive Functions using Partial Call-Trees

Brad Alexander, Brad Zacher

Parallel Problem Solving from Nature – PPSN XIII September 2014

Using Scaffolding with Partial Call-Trees to Improve Search

Brad Alexander, Connie Pyromallis, George Lorenzetti, Brad Zacher

Parallel Problem Solving from Nature – PPSN XIV August 2016

SKILLS	JavaScript	Typescript + Flow	GraphQL
	React	SQL	NodeJS
	PHP	AWS	C#
	AngularJS	C/C++	ABAP

Career History

Facebook

August 2018 - Current

Front-End Engineer

Assignar

February 2017 - July 2018

Lead Engineer

(1.5 years)

During my time at Assignar, I worked extensively to help the engineering team transition to a quality-focused culture; emphasising maintainability, shared knowledge, and team ownership. We worked to implement tools and practices for managing the growing the team; enabling code reviews, code checks (via linting and type-checking), and agile workflows, backed by automated unit and e2e testing.

Additionally, I worked extensively with the team to build out and stabilize the platform and product, using a combination of the technologies already in use at the company; ReactJS, NodeJS, and AWS. I also worked closely to plan and design changes to the platform so that it was prepared for the company's future enhancements and expansions.

I worked on many parts of the platform; implementing new features in both the front and back end, migrating legacy front-end code from AngularJS to React, migrating legacy back-end code from PHP to a NodeJS GraphQL API, as well as implement new build tools and CI pipelines.

SA Power Networks

February 2013 - February 2017

Software Engineer

(4 years)

After transitioning to a full time developer role at SA Power Networks, I had the opportunity to help lead the business toward a mobile future; working with SAP Mobile technologies as well as in-house mobile-first web applications.

Using SAPUI5, I helped develop the user experience for the company's first touchscreen application, delivering a set of warehouse management applications to improve the efficiency and accountability of the company's largest warehouse.

I also helped spearhead the first agile team which worked extensively with SAPUI5 to build bespoke, cross platform applications for the business. One of our apps was nominated for the Australian Engineering Excellence Award, and won a coveted High Commendation.

University of Adelaide

February 2012 - December 2012

Computer Science Tutor

(11 months)

As a tutor at University of Adelaide, I was required to look after classes of up to 60 students; answering any questions the students had about their course work, ensuring they correctly understood their coursework, and that they could apply it appropriately. I was also responsible for marking their assignment work as well as being in charge of looking after their safety and well-being.